

PATENT ABSTRACTS OF JAPAN

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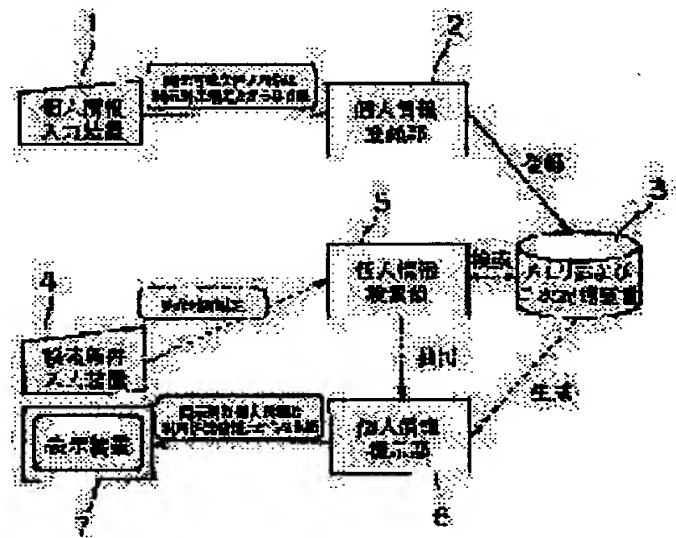
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(54) PERSONAL INFORMATION DISTRIBUTION MANAGING METHOD, ITS DEVICE, RECORDING MEDIUM IN WHICH PERSONAL INFORMATION DISTRIBUTION MANAGEMENT PROGRAM IS RECORDED, INFORMATION SERVICE PROVIDING METHOD, ITS DEVICE AND RECORDING MEDIUM IN WHICH INFORMATION SERVICE PROVIDING PROGRAM IS RECORDED

(57)Abstract:

PROBLEM TO BE SOLVED: To restrict a subject to use personal information to use of it within a range permitted by use permission information.

SOLUTION: The personal information possible to be disclosed is edited, disclosure conditions are created as disclosure use regulation for each item of the personal information by using a personal information input device 1 by the subject to own the personal information. Syntax analysis is performed to a set consisting of the inputted personal information and the disclosure use regulation and its result is registered in a data base 3 by a personal information registering part 2. Request use regulation is created by using a retrieval condition input device 4 by the subject to own the personal information. A set consisting of the personal information to satisfy both registered conditions of the disclosure use regulation and the request use regulation and its disclosure use regulation is retrieved by a personal information retrieving part 5. Disclosed personal information is created based on a retrieval result, use permission information is dynamically created for each item of the disclosed personal information and the pieces of information are formed as a set and outputted to a display 7 by a personal information presenting part 6.



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CLAIMS

[Claim(s)]

[Claim 1] The individual humanity news registration phase of registering into a database a group with the indication Acceptable Use Policy which specified individual humanity news and its indication condition, As opposed to the set of the group which consists of individual humanity news registered into said database, and an indication Acceptable Use Policy The individual humanity news retrieval phase of searching the group which consists of individual humanity news which fulfills the conditions of both indication Acceptable Use Policy and demand Acceptable Use Policy, and an indication Acceptable Use Policy based on the demand Acceptable Use Policy which specified the use conditions of the individual humanity news given as retrieval conditions, It is based on the individual humanity news which became the candidate of retrieval, the group of an indication Acceptable Use Policy, and the demand Acceptable Use Policy given as retrieval conditions. The individual humanity news circulation management method which has the individual humanity news presentation phase which generates dynamically indicated individual humanity news and use consent information, makes a group said indicated individual humanity news and said use consent information, and is shown to an individual humanity news use subject.

[Claim 2] The method according to claim 1 of having further the phase which creates the indication Acceptable Use Policy which specified individual humanity news and its indication condition.

[Claim 3] The method according to claim 1 or 2 of having further the phase which creates said use demand convention.

[Claim 4] The approach of three given in any 1 term from claim 1 which has further the phase which specifies a new indication Acceptable Use Policy within limits specified using the shown use consent information, makes a group indicated individual humanity news and a new indication Acceptable Use Policy, and is registered into said database.

[Claim 5] The approach of five given in any 1 term from claim 1 which has further the phase which carries out the selection indication of the individual humanity news which an individual humanity news possession subject can indicate based on the individual humanity news which the indication Acceptable Use Policy and individual humanity news use subject who specified different use constraint according to an individual humanity news use subject possess, and which can be indicated.

[Claim 6] An individual humanity news registration means to register into said database the group of a database and the indication Acceptable Use Policy which specified individual humanity news and its indication condition, As opposed to the set of the group which consists of individual humanity news registered into said database, and an indication Acceptable Use Policy An individual humanity news retrieval means to search the group which consists of individual humanity news which fulfills the conditions of both indication Acceptable Use Policy and demand Acceptable Use Policy, and an indication Acceptable Use Policy based on the demand Acceptable Use Policy which specified the use conditions of the individual humanity news given as retrieval conditions, It is based on a display, the individual humanity news which became the candidate of retrieval and the group of an indication Acceptable Use Policy, and the demand Acceptable Use Policy given as retrieval conditions. Individual humanity news circulation management equipment which has an individual humanity news presentation means to generate dynamically indicated individual humanity news and use consent information, to make a group indicated individual humanity news and use consent information, and to display on said display.

[Claim 7] Equipment according to claim 6 which creates the indication Acceptable Use Policy which specified individual humanity news and its indication condition, and has further an individual humanity news input means to input into said individual humanity news registration means.

[Claim 8] Equipment according to claim 6 or 7 which creates said use demand convention and has further a retrieval condition input means to input into said individual humanity news retrieval means.

[Claim 9] Individual humanity news registration processing in which a group with the indication Acceptable Use Policy which specified individual humanity news and its indication condition is registered into a database, As opposed to the set of the group which consists of individual humanity news registered into said database, and an indication Acceptable Use Policy Individual humanity news retrieval processing in which the group which consists of individual humanity news which fulfills the conditions of both indication Acceptable Use Policy and demand Acceptable Use Policy, and an indication Acceptable Use Policy based on the demand Acceptable Use Policy which specified the use conditions of the individual humanity news given as retrieval conditions is searched, It is based on the individual humanity news which became the candidate of retrieval, the group of an indication Acceptable Use Policy, and the demand Acceptable Use Policy given as retrieval conditions. The record medium which recorded the individual humanity news circulation manager for making a computer perform individual humanity news presentation

processing which generates dynamically indicated individual humanity news and use consent information, makes a group said indicated individual humanity news and said use consent information, and is shown to an individual humanity news use subject.

[Claim 10] The record medium according to claim 9 which has further the processing which creates the indication Acceptable Use Policy which specified individual humanity news and its indication condition.

[Claim 11] The record medium according to claim 9 or 10 which has further the processing which creates said use demand convention.

[Claim 12] The demand Acceptable Use Policy generation phase which generates the demand Acceptable Use Policy of individual humanity news based on the individual humanity news which is needed for the service to offer, and its contents of use, As opposed to the set of the group which consists of individual humanity news registered into the database, and an indication Acceptable Use Policy The individual humanity news retrieval phase of searching the group which consists of individual humanity news which fulfills the conditions of both of said indication Acceptable Use Policy and said demand Acceptable Use Policy, and an indication Acceptable Use Policy based on said demand Acceptable Use Policy, It is based on the individual humanity news which became the candidate of retrieval, the group of an indication Acceptable Use Policy, and the demand Acceptable Use Policy given as retrieval conditions. The individual humanity news presentation phase of generating dynamically indicated individual humanity news and use consent information, and showing the group of said indicated individual humanity news and said use consent information, The information service provision approach of having the service provision judging phase of judging whether activation of service being possible from said indicated individual humanity news and said use consent information to a service use subject, and offering service to a service use subject if possible.

[Claim 13] A demand Acceptable Use Policy generation means to generate the demand Acceptable Use Policy of individual humanity news based on the individual humanity news which is needed for the service to offer, and its contents of use, As opposed to the set of the group which consists of individual humanity news registered into the database, and an indication Acceptable Use Policy An individual humanity news retrieval means to search the group which consists of individual humanity news which fulfills the conditions of both of said indication Acceptable Use Policy and said demand Acceptable Use Policy, and an indication Acceptable Use Policy based on said demand Acceptable Use Policy, It is based on the individual humanity news which became the candidate of retrieval, the group of an indication Acceptable Use Policy, and the demand Acceptable Use Policy given as retrieval conditions. An individual humanity news presentation means to generate dynamically indicated individual humanity news and use consent information, and to show the group of said indicated individual humanity news and said use consent information, Information service provision equipment which has a service provision judging means to judge whether activation of service is possible from said indicated individual humanity news and said use consent information to a service use subject, and to offer service to a service use subject if possible.

[Claim 14] The demand Acceptable Use Policy generation processing which generates the demand Acceptable Use Policy of individual humanity news based on the individual humanity news which is needed for the service to offer, and its contents of use, As opposed to the set of the group which consists of individual humanity news registered into the processing database, and an indication Acceptable Use Policy Individual humanity news retrieval processing in which the group which consists of individual humanity news which fulfills the conditions of both of said indication Acceptable Use Policy and said demand Acceptable Use Policy, and an indication Acceptable Use Policy based on said demand Acceptable Use Policy is searched, It is based on the individual humanity news which became the candidate of retrieval, the group of an indication Acceptable Use Policy, and the demand Acceptable Use Policy given as retrieval conditions. Individual humanity news presentation processing in which generate dynamically indicated individual humanity news and use consent information, and the group of said indicated individual humanity news and said use consent information is shown, It judges whether activation of service is possible from said indicated individual humanity news and said use consent information to a service use subject. The record medium which recorded the information service provision program for making a computer perform service provision judging processing in which service will be offered to a service use subject if possible.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] In order to receive the individual ead service based on the need and individual humanity news of the authentication at the time of performing on-line shopping and electronic commerce, marketing, and destination information, this invention It is related with the individual humanity news circulation management method which attains protection of individual humanity news, and activation of the distribution of information in the distribution-of-information base in which the individual humanity news possession subject who possesses the individual humanity news in which at least one indication is possible, and the individual humanity news use subject whom I want to indicate individual humanity news from this individual humanity news possession subject exist.

[0002]

[Description of the Prior Art] In case on-line shopping and electronic commerce were performed on the Internet, the input of needs, such as authentication, customer management, marketing, and destination information, to a user's individual humanity news was indispensable. Whenever the user received goods purchase and service provision, the input of individual humanity news was required of him, and he had to input the same information. There was anxiety where in addition to the troublesomeness it exhibit its individual humanity news and does not circulate in the place which is not known [how it is used and] again. [who provided]

[0003] As a technique for solving the above-mentioned problem, there is Platform for Privacy Preferences (P3p) under examination (<http://www.w3c.org/P3p/>) etc. as Working Draft by World Wide Web Consortium (W3C). P3p enables protection of individual humanity news by setting up the alternative conditions in an indication / refusal / refusal to the individual humanity news of the user who visited the website. When a website receives individual humanity news, an item, the use purpose, range to indicate of individual humanity news to acquire can be specified to a user as a demand about the privacy of a website, and, specifically, a user can choose whether agreement / refusal / alternative conditions are adopted as the indication of individual humanity news according to the contents of explanation. If a website declares the demand about privacy beforehand and prepares the conditioning for the data set of individual humanity news and an indication of a user, the demand of a website is compared with a setup of a user and it makes it possible to reach agreement automatically. Moreover, if the website has declared two or more demands according to the use purpose even if it does not reach agreement, agreement can be reached to another demand. Furthermore, since a website makes it possible to save the time and effort of re-acquisition about what was able to take agreement before even if it does not send the demand about privacy whenever a user visits, it is not necessary to input the same information repeatedly.

[0004]

[Problem(s) to be Solved by the Invention] In the above-mentioned conventional technique, even if the provider (website caller) of individual humanity news and the user (website) of individual humanity news reach agreement, only with the data set simple substance of the individual humanity news acquired after agreement Since there was no *****, once the right of use was defined clearly, and it exhibited individual humanity news to the website, there was a problem that it cannot hold in order that a website may reuse the information, or it could not prevent sharing information between websites. Moreover, transfer of the acquired individual humanity news etc. has the problem that decision of an operation person (website) was left, about just secondary use of individual humanity news.

[0005] The purpose of this invention is to offer the individual humanity news circulation management method which can be restricted to the use within the limits to which individual humanity news was permitted for use consent information to an individual humanity news use subject, equipment, and the record medium which recorded the individual humanity news circulation manager.

[0006]

[Means for Solving the Problem] The individual humanity news registration phase of registering into a database a group with the indication Acceptable Use Policy as which the individual humanity news circulation management method of this invention specified individual humanity news and its indication condition, As opposed to the set of the group of the individual humanity news registered into said database, and an indication Acceptable Use Policy The individual humanity news retrieval phase of searching the group which consists of individual humanity news which fulfills the conditions of both indication Acceptable Use Policy and demand Acceptable Use Policy, and an indication Acceptable Use Policy based on the demand Acceptable Use Policy which specified the use conditions of the individual humanity news given as retrieval conditions, It has the individual humanity news presentation phase which generates dynamically indicated individual humanity news and use consent information, makes a group

indicated individual humanity news and use consent information based on the individual humanity news which became the candidate of retrieval, the group of an indication Acceptable Use Policy, and the demand Acceptable Use Policy given as retrieval conditions, and is shown to an individual humanity news use subject.

[0007] In the distribution-of-information base in which the individual humanity news use subject whom I want to indicate individual humanity news exists from the individual humanity news possession subject who possesses the individual humanity news which this invention can indicate [at least one], and this individual humanity news possession subject As shown in drawing 5 , an individual humanity news possession subject makes a group the indication Acceptable Use Policy which specified the use constraint to the data set of individual humanity news and this individual humanity news which can be indicated, and manages it. An individual humanity news use subject creates the demand Acceptable Use Policy which specified the use conditions about this individual humanity news to demand. The indicated individual humanity news which searches based on the demand Acceptable Use Policy given by the individual humanity news in which this indication is possible, the group of this indication Acceptable Use Policy, and the individual humanity news use subject, and is indicated by the individual humanity news use subject. It becomes possible to restrict to the use within the limits permitted using this use consent information to the individual humanity news use subject by showing by making into a group use consent information drawn based on this indication Acceptable Use Policy and this demand Acceptable Use Policy.

[0008] moreover, an indication Acceptable Use Policy new within limits specified using this use consent information that the information use subject was shown at this individual distribution-of-information management method — specifying — this indicated individual humanity news — this — by making a new indication Acceptable Use Policy into a group, and managing it, it can become a new individual humanity news possession subject, and just secondary use of individual humanity news is made realizable.

[0009] Moreover, an individual humanity news registration means by which the individual humanity news circulation management equipment of this invention registers into a database the group of a database and the indication Acceptable Use Policy which specified individual humanity news and its indication condition, As opposed to the set of the group which consists of individual humanity news registered into said database, and an indication Acceptable Use Policy An individual humanity news retrieval means to search the group which consists of individual humanity news which fulfills the conditions of both indication Acceptable Use Policy and demand Acceptable Use Policy, and an indication Acceptable Use Policy based on the demand Acceptable Use Policy which specified the use conditions of the individual humanity news given as retrieval conditions, It is based on a display, the individual humanity news which became the candidate of retrieval and the group of an indication Acceptable Use Policy, and the demand Acceptable Use Policy given as retrieval conditions. Indicated individual humanity news and use consent information are generated dynamically, and it has an individual humanity news presentation means to make a group indicated individual humanity news, use consent information, and use consent information, and to display on said display.

[0010]

[Embodiment of the Invention] Next, the gestalt of operation of this invention is explained with reference to a drawing.

[0011] Reference of drawing 1 constitutes the individual humanity news circulation management equipment of 1 operation gestalt of this invention from the individual humanity news input unit 1, the individual humanity news registration section 2, memory and a secondary storage 3, the retrieval condition input unit 4, the individual humanity news retrieval section 5, the individual humanity news presentation section 6, and a display 7.

[0012] When there is individual humanity news, such as the identifier and the address in which at least one indication is possible, and a birth date, using the individual humanity news input unit 1, an individual humanity news possession subject edits these, and, in addition to it, creates indication conditions, such as a use permitter, the use purpose, and indication range, as an indication Acceptable Use Policy about each item of individual humanity news (step 11). For example, what "an identifier is indicated for for the purpose of arbitration to all men" is allowed, and it is "carrying out the indication range to to an individual humanity news use subject's organization, although the address's may be indicated to OO, Inc. as long as it is the purpose of user support" etc.

[0013] In the individual humanity news registration section 2, the syntax of the group which consists of inputted individual humanity news and an indication Acceptable Use Policy is analyzed, the contents of a text described are read, and the information on an analysis result is registered into the secondary storage 3 which is a database (step 12). Under the present circumstances, about individual humanity news, an index with which the value which each item and this item of individual humanity news take is made by retrieval at a search key is created. Moreover, an index whose retrieval uses the item of individual humanity news used as the candidate for an indication, a use permitter, the use purpose, the indication range, etc. as a search key about an indication Acceptable Use Policy, and is possible is created.

[0014] Using the retrieval condition input unit 4, as shown in Table 1, for every item of individual humanity news to use, an individual humanity news use subject creates the use purpose, the indication range, etc. as a demand Acceptable Use Policy, and sends to the individual humanity news retrieval section 5 (step 13).

[0015]

[Table 1]

表示対象の個人データの表示子	利用許容者	利用目的	表示範囲
個人情報ID+名前	任意の人	無制限	再配布可能
個人情報ID+自宅住所	△△商事以外	ユーザサポート	あなたの組織
個人情報ID+自宅電話番号	同じ職場の人	個人利用	あなたのみ
個人情報ID+職場電話番号	任意の人	マーケティング	あなたの組織
個人情報ID+職場電子メールアドレス	or.jpドメインの人	非営利	あなたのみ

[0016] The conditions of the indication Acceptable Use Policy registered and the conditions of the demand Acceptable Use Policy given as retrieval conditions are tested by comparison using an index, and the group which consists of individual humanity news which fulfills both conditions, and this indication Acceptable Use Policy is searched with the individual humanity news retrieval section 5 (step 14).

[0017] When two or more individual humanity news to indicate is defined for every different information use subject in an indication Acceptable Use Policy, and every indication conditions at this time, the selection indication of individual humanity news is possible. For example, it is possible to specify "for a mail address 2 to be indicated and, as for the case of the purpose of direct mail sending, for it not to indicate in the case of aimed at obtaining profit, although a mail address 1 will be indicated as a station e-mail address if it is the purpose of user support" etc.

["which indicates the telephone number 1 as home telephone number to the man of the same firm as itself and indicates the telephone number 2 to other men"]

[0018] By extracting the item of the individual humanity news to indicate in the individual humanity news presentation section 6 based on a retrieval result Based on an indication Acceptable Use Policy and a demand Acceptable Use Policy, use consent information is dynamically generated to each item of this indicated individual humanity news, indicated individual humanity news and use consent information are made into a group, and are managed [indicated individual humanity news is created dynamically, in addition], and it displays on a display 7 (step 15).

[0019] This use consent information serves as use constraint which fills both of the conditions of an indication Acceptable Use Policy and the conditions of a demand Acceptable Use Policy which were mentioned above, and the item of individual humanity news used as the candidate for use constraint, a use permitter, the original paper author, the use purpose, the indication range, etc. are specified. Since the individual humanity news which the individual humanity news use subject received is surely managed in a group with this use consent information, it can restrict the unjust use contrary to an intention of the original paper author (individual humanity news possession subject).

[0020] Moreover, when "redistribution of indicated individual humanity news" is permitted into use consent information, an individual humanity news use subject can turn into an individual humanity news possession subject in inputting a new indication Acceptable Use Policy from the individual humanity news input unit 1 within limits permitted for use consent information.

[0021] In addition, the server site which registered the set of the group which consists of individual humanity news which can be indicated, and an indication Acceptable Use Policy is able to consider as plurality and the configuration which distributes, exists and can send a retrieval demand in parallel to them.

[0022] Moreover, acquire the indicated individual humanity news which can be redistributed from the individual humanity news possession subject of a large number registered into various server sites as an individual humanity news use subject, and it sets within limits specified to those use consent information. It is also possible to offer the service which shows whether the individual humanity news which creates an index etc. and is required of other individual humanity news use subjects is efficient when an inquiry is carried out to which server site, or executes retrieval by proxy.

[0023] Reference of drawing 3 constitutes the individual humanity news circulation management equipment of other operation gestalten of this invention from an input device 21, stores 22 and 23, an indicating equipment 24, a record medium 25, and a data processor 26.

[0024] An input device 21 is a keyboard and equivalent to the individual humanity news input device 1 and the retrieval condition input device 4 in drawing 1. Storage 22 is equivalent to the memory and the secondary storage 3 in drawing 1. A store 23 is a hard disk. A display 24 is equivalent to the display 7 in drawing 1. Record media 25 are record media which recorded the individual humanity news circulation manager which consists of each processing of the individual humanity news input unit 1 in drawing 1, the individual humanity news registration section 2, the retrieval condition input unit 5, the individual humanity news retrieval section 5, and the individual humanity news presentation section 6, such as FD (floppy disk), CD-ROM, and MO (magneto-optic disk). A data processor 26 is CPU which reads an individual humanity news circulation manager from a record medium 25, and performs this.

[0025] Drawing 4 is the block diagram of the equipment which performs information service provision using the individual humanity news circulation management equipment of drawing 1.

[0026] A service provision subject (an individual humanity news use subject is included) inputs the contents of use of a service use subject's (an individual humanity news possession subject is included) individual humanity news, and this individual humanity news which are needed in order to carry out this service from the service condition input unit 8 according to the service to offer.

[0027] Services here are things, such as individual application mold service which changes the contents of the service which a service provision subject offers, the offer approach, offer frequency, etc. according to individual humanity news, such as a service use subject's hobby, taste and the address and age, and sex.

[0028] Based on the information inputted from the service condition input unit 8, this demand Acceptable Use Policy that generated and generated the demand Acceptable Use Policy in the demand Acceptable Use Policy

generation section 9 is inputted into the individual humanity news retrieval section 5. The individual humanity news retrieval section 5 performs said retrieval processing according to a demand Acceptable Use Policy, and the individual humanity news presentation section 6 shows the service provision judging section 10 the group which consists of a service use subject's indicated individual humanity news and use consent information. The service provision judging section 10 judges whether conditions required in order that the use purpose and indication range of use consent information to the individual humanity news from which it was obtained again whether individual humanity news required to perform this service was obtained to the service use subject may perform this service are fulfilled. If activation of this service is possible as a result of a judgment, a service provision subject will offer service to a service use subject.

[0029] Although having carried out as the configuration which requires the group which a service provision subject becomes from a service use subject's indicated individual humanity news and use consent information with this operation gestalt, when a service use subject shows a service provision subject indicated individual humanity news and use consent information beforehand, it registers and the service which a service provision subject can offer developed, it is possible in carrying out as the configuration give one's service to a service use subject etc.

[0030] Moreover, the processing which consists of the service condition input device 8, the demand Acceptable Use Policy generation section 9, the individual humanity news retrieval section 5, the individual humanity news presentation section 6, and the service provision judging section 10 is also recorded on record media, such as FD, CD-ROM, and MO, and can be carried out by computers, such as a personal computer. [as well as the operation gestalt of drawing 3]

[0031]

[Effect of the Invention] As explained above, according to this invention, there is the following effectiveness. Unjust use of the individual humanity news use subject contrary to an intention of an individual humanity news possession subject can be restricted. Moreover, secondary use of just individual humanity news is attained because an individual humanity news use subject newly turns into an individual humanity news possession subject. Moreover, an individual humanity news possession subject can save the time and effort which inputs the same information repeatedly in the cases, such as on-line shopping. Furthermore, protection of individual humanity news, such as becoming possible to carry out the selection indication of the individual humanity news indicated according to a partner, and activation of the distribution of information can be reconciled.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the block diagram of the individual humanity news circulation management equipment of 1 operation gestalt of this invention.

[Drawing 2] It is the flow chart which shows the flow of processing of the whole individual humanity news circulation management equipment of drawing 1.

[Drawing 3] It is the block diagram of the individual humanity news circulation management equipment of other operation gestalten of this invention.

[Drawing 4] It is the block diagram of the information service provision equipment using the individual humanity news circulation management equipment of drawing 1.

[Drawing 5] It is drawing showing the distribution-of-information base in which an individual humanity news possession subject and an individual humanity news use subject exist.

[Description of Notations]

- 1 Individual Humanity News Input Unit
- 2 Individual Humanity News Registration Section
- 3 Memory and Secondary Storage
- 4 Retrieval Condition Input Unit
- 5 Individual Humanity News Retrieval Section
- 6 Individual Humanity News Presentation Section
- 7 Display
- 8 Service Condition Input Unit
- 9 Demand Acceptable Use Policy Generation Section
- 10 Service Provision Judging Section
- 11-15 Step
- 21 Input Unit
- 22 23 Storage
- 24 Display
- 25 Record Medium
- 26 Data Processor

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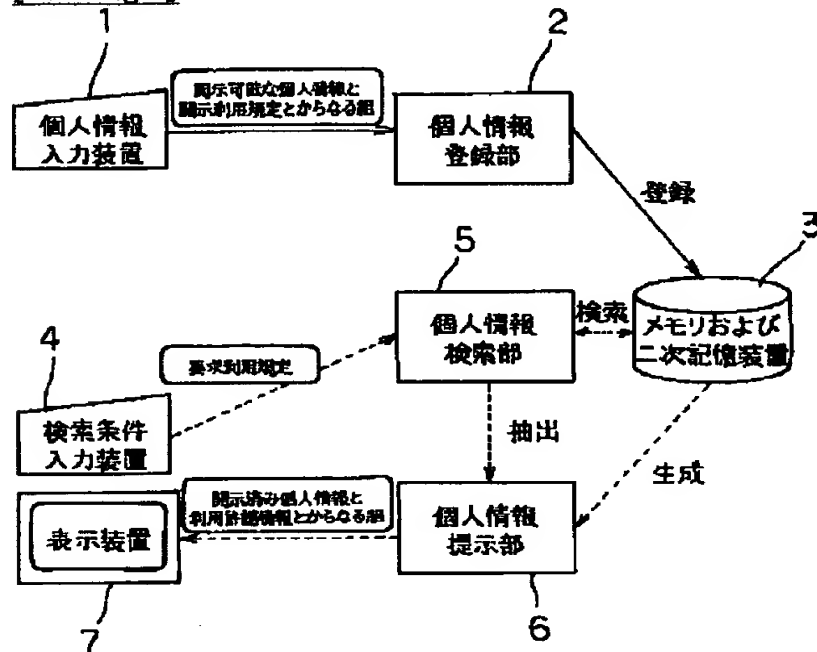
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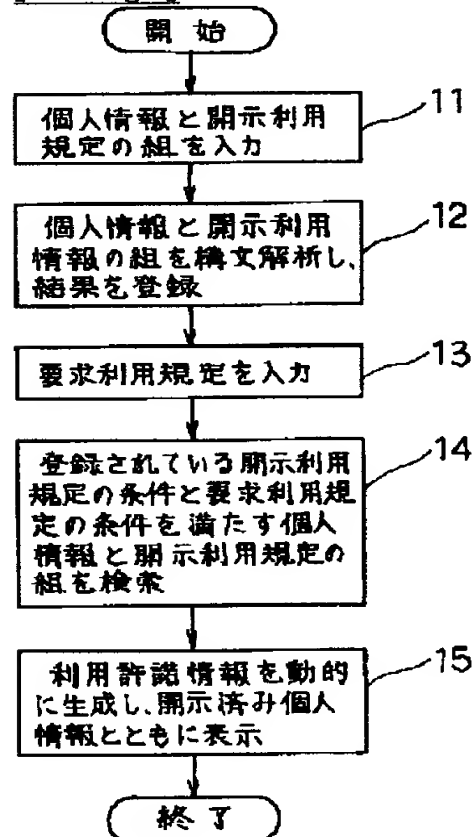
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DRAWINGS

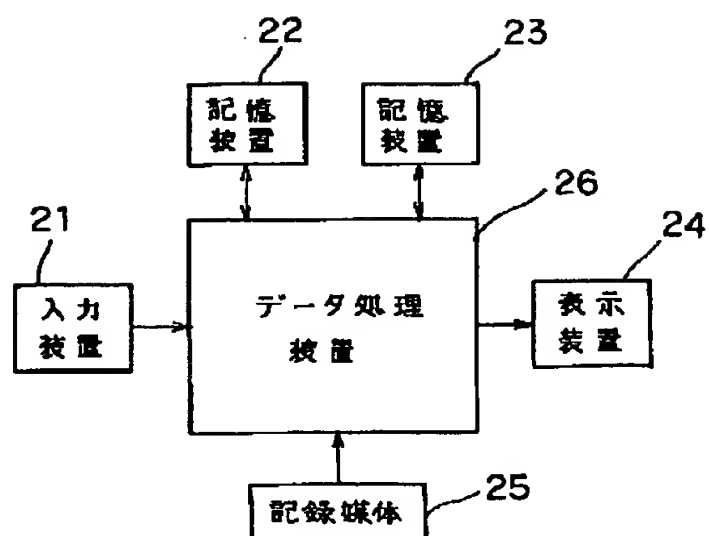
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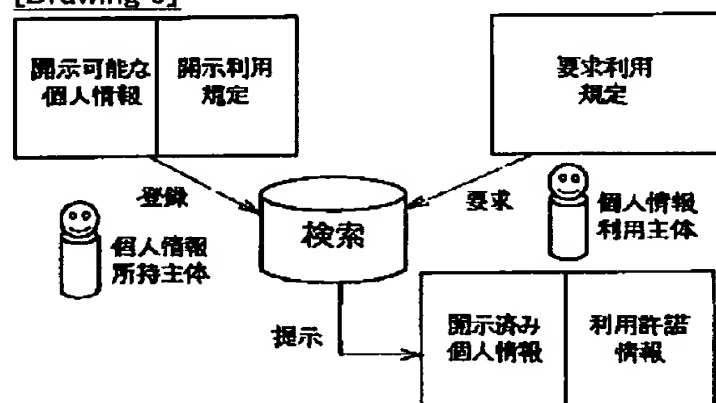
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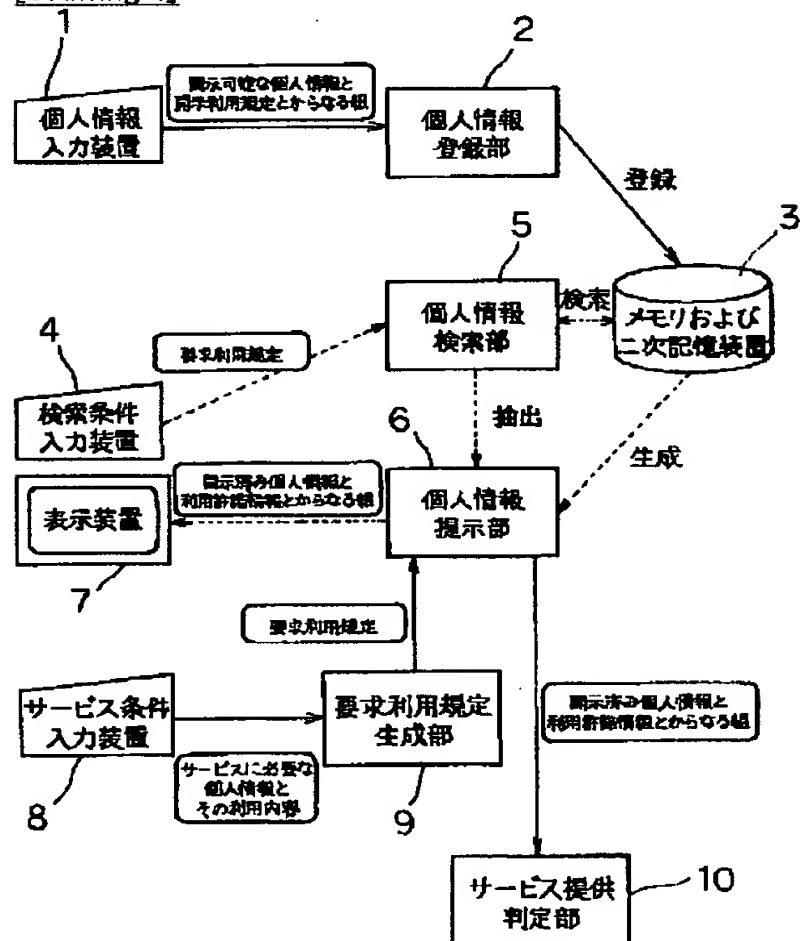
[Drawing 3]



[Drawing 5]



[Drawing 4]



[Translation done.]